

ABSTRACT OF THE DISCLOSURE

PROCESS FOR ASSEMBLY OF METALLIC PARTS USING A
METALLIC POWDER HEATED BY INDUCTION

The process is used to assemble metallic parts without any risk of melting them during a high temperature assembly.

The process consists of using a powder as a filler

5 material, the melting temperature of the powder being equal to or higher than the melting temperature of the material from which the parts are made when they are of the same nature, or the melting temperature being equal to or higher than the melting temperature of the part

10 with the lowest melting temperature for parts with different natures. The assembly is heated by induction, the powder being melted without melting of the parts, because its temperature is higher than the temperature of the parts.

15 Application to assembly of all metallic parts composed of metals or metallic alloys and with a preferred application for the assembly of parts with the same nature using a powder of the same material.

20 No figure